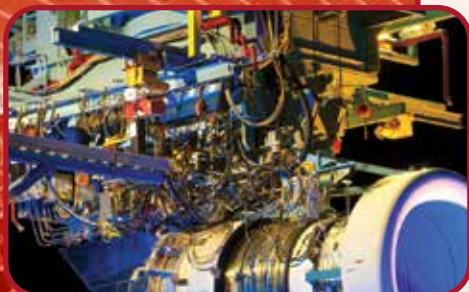
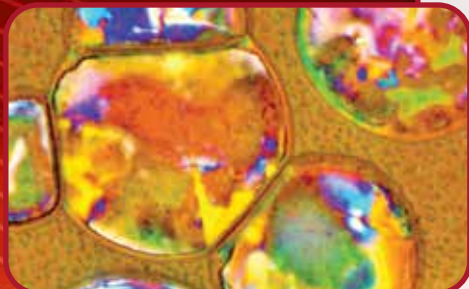


# JOM Call for papers

An official publication of The Minerals, Metals & Materials Society



**Publication Date:** *March 2023*

**Manuscript Deadline:** *September 1, 2022*

## ***Powder Materials and Processing for Extreme Environments***

Modern demands for functional materials have led to the need for powder synthesis, processing, and consolidation of said materials for the temporary or continued use in extreme environments. This special topic welcomes papers exploring the response of powder materials to extreme environments (mechanical, thermal, chemical, radiation, magnetic and electric fields, etc.). Research areas include (i) novel powder processing of structural and functional materials; (ii) recent advances in powder consolidation processes, e.g., spark plasma sintering, powder forging and extrusion, cold spray forming, and additive manufacturing; (iii) novel process development, robustness, and monitoring; and (iv) modeling and simulation of these and related topics.

Original research papers should be 3,000-9,000 words with up to 12 figures maximum; review papers should be 6,000-11,000 words with up to 20 figures maximum.

Detailed author instructions are available at:

<http://www.tms.org/AuthorTools/>

**Keywords for this topic:** **Additive Manufacturing; Extreme Environments; Powder Metallurgy; Functional Materials**

**Guest Editor(s):** **David Yan and Timothy Prost:**  
[david.yan@sjsu.edu](mailto:david.yan@sjsu.edu); [tmthprost2@gmail.com](mailto:tmthprost2@gmail.com)

**Committee Sponsor(s):** **Powder Materials**

If you are interested in submitting a paper, upload your manuscript at  
<https://www.editorialmanager.com/jomj/>

Please note that all submissions will be subject to peer review. Submission does not guarantee acceptance.

**For more information on JOM, please visit [jom.tms.org](http://jom.tms.org)**